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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 06 2012

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

Farmington Field Office
Bureau of Land Management

1a. Type of Work DRILL	5. Lease Number SF-079492-B Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe
2. Operator BURLINGTON RESOURCES Oil & Gas Company, LP	7. Unit Agreement Name DK-NMNM 78409A MV-NMNM 78409B San Juan 27-5 Unit
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name RCVD AUG 29 '12 9. Well Number 115P OIL CONS. DIV. DIST. 3
4. Location of Well Surface: Unit G(SWNE), 2234' FNL & 2133' FEL Surface: Latitude: 36.55986° N (NAD83) Longitude: 107.32589° W	10. Field, Pool, Wildcat Blanco MV/Basin DK 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 23, T27N, R5W API # 30-039- 31112
14. Distance in Miles from Nearest Town 41 miles - Blanco	12. County Rio Arriba
15. Distance from Proposed Location to Nearest Property or Lease Line 498'	13. State NM
16. Acres in Lease 920.000	17. Acres Assigned to Well DK 320 Acres N/2 MV 320 Acres E/2
 H₂S POTENTIAL EXIST	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 897' SJ 27-5 Unit 182 - PC	
19. Proposed Depth 7740'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6534' GL This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4	22. Approx. Date Work will Start DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".
23. Proposed Casing and Cementing Program See Operations Plan attached	
24. Authorized by: <u>Arleen Kellywood</u> Arleen Kellywood (Staff Regulatory Tech)	<u>2/6/12</u> Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

Archaeological Report attached

A gas recovery unit may or may not be used on this location.

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

Example Master Plan Type 3

Bond Numbers NMB-000015 and NMB-000089

SEP 07 2012 ca

NMOCD

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

BLM'S APPROVAL OR ACCEPTANCE OF THIS
ACTION DOES NOT RELIEVE THE LESSEE AND
OPERATOR FROM OBTAINING ANY OTHER
AUTHORIZATION REQUIRED FOR OPERATIONS

RECEIVED

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised July 10, 2010

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

FEB 06 2012

Submit one copy to appropriate
District Office

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Farmington Field Office
Bureau of Land Management

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-3112	² Pool Code 72319/71599	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA
⁴ Property Code 7454	⁵ Property Name SAN JUAN 27-5 UNIT	⁶ Well Number 115P
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS COMPANY LP	⁹ Elevation 6534'

¹⁰ Surface Location

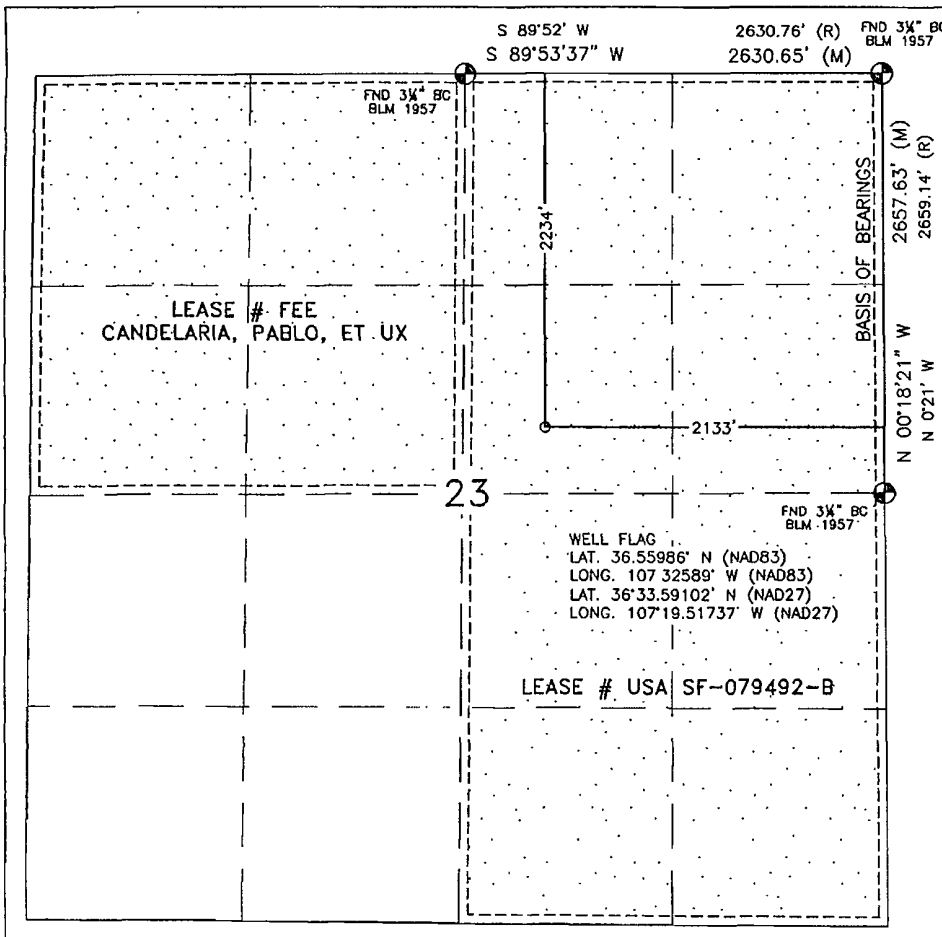
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	23	27N	5W		2234'	NORTH	2133'	EAST	RIO ARriba

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres DK - 320 ACRES - N/2 MV - 320 ACRES - E/2			¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Arleen R. Kellywood 4/21/11
Signature Date

Arleen R. Kellywood
Printed Name

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

APRIL 14, 2011
Date of Survey

David B. Russell
Signature and Seal of Professional Surveyor:

DAVID B. RUSSELL
NEW MEXICO
REGISTERED PROFESSIONAL LAND SURVEYOR
10201

DAVID RUSSELL
Certificate Number 10201

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 115P

DEVELOPMENT

Lease:		AFE #: WAN.CDR.1018				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 711		State: NM	County: RIO ARRIBA		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
RON	BLANCO MESAVERDE (PRORATED GAS)						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface Datum Code: NAD 27 Straight Hole							
Latitude: 36.559850		Longitude: -107.325289		X:	Y:	Section: 23	Range: 005W
Footage X: 2133 FEL		Footage Y: 2234 FNL		Elevation: 3534 (FT)		Township: 027N	
Tolerance:							
Location Type: Restricted		Start Date (Est.): 1/1/2014		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6549 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
SAN JOSE	15	6534		☐			Lost 140 bbls @ 245' SJ 27-5 79N, Ground water @ 60' SJ 27-5 33
Surface Casing	200	6349		☐		49	12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
NACIMIENTO	1387	5162		☐			
OJO ALAMO	2724	3825		☐			
KIRTLAND	2894	3655		☐			
FRUITLAND	2959	3590		☐		103	Possible Gas
PICTURED CLIFFS	3341	3208		☐	677		
LEWIS	3425	3124		☐			Lost 200 bbls SJ 27-5 190M
Intermediate Casing	3525	3024		☐			8 3/4" Hole. 7", 20 ppf, J-55, STC Casing. Cement with 794 cuft. Circulate cement to surface.
HUERFANITO BENTONITE	3780	2769		☐		120	
CHACRA	4306	2243		☐			
UPPER CLIFF HOUSE	5014	1535		☐			Gas
MASSIVE CLIFF HOUSE	5019	1530		☐	756		Gas
MENEFEE	5173	1376		☐		147	
POINT LOOKOUT	5499	1050		☐			
MANCOS	6010	539		☐			
UPPER GALLUP	6668	-119		☐			Got wet in GLLP S J 27-5 129M, Stop dusting in GLLP SJ 27-5 128M,
GREENHORN	7445	-896		☐		192	
GRANEROS	7507	-958		☐			Stop dusting in GRRS SJ 27-4 49M
TWO WELLS	7531	-982		☐	1976		Gas
PAGUATE	7631	-1082		☐			
UPPER CUBERO	7650	-1101		☐		196	Gas
LOWER CUBERO	7689	-1140		☐			Gas - Bottom perf ~-1171' (~7720' md) base on offset well.

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 27-5 UNIT 115P

DEVELOPMENT

Total Depth	7740	-1191	☐	6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 574 cuft. Circulate cement a minimum of 100' inside the previous casing string.
OAK CANYON	7742	-1193	☐	Got wet in OKCN SJ 27-4 47P - (27N 4W 20) P&A DK.
ENCINAL	7749	-1200	☐	198
BURRO CANYON	7806	-1257	☐	Lost 170 bbls SJ 27-5 129M,
MORRISON	7845	-1296	☐	

Reference Wells:		
Reference Type	Well Name	Comments
Production	SAN JUAN 27-5 UNIT 115	

Logging Program:	
Intermediate Logs:	☐ Log only if show ☐ GR/ILD ☐ Triple Combo

TD Logs:	☐ Triple Combo ☐ Dipmeter ☐ RFT ☐ Sonic ☐ VSP ☐ TDT ☒ Other
	GR CBL. Mud Log ~100' above Gallup down to TD. Mudlogger will call TD. Bottom perf ~20' above TD.

Additional Information:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

BURLINGTON RESOURCES OIL & GAS COMPANY LP

SAN JUAN 27-5 UNIT #115P

2234' FNL & 2133' FEL

LOCATED IN THE SW/4 NE/4 OF SECTION 23,

T27N, R5W, N.M.P.M.,

RIO ARriba COUNTY, NEW MEXICO

DIRECTIONS

- 1) FROM POST OFFICE IN BLANCO, TRAVEL EAST ON HIGHWAY 64 FOR 28 MILES.
- 2) TURN RIGHT AT GOBERNADOR SCHOOL ROAD AND TRAVLE 1.1 MILES.
- 3) TURN RIGHT ON AMERICAN GENERAL ROAD AND TRAVEL 3.3 MILES TO A 4-WAY INTERSECTION.
- 4) CONTINUE AHEAD ACROSS MUNOZ WASH FOR 5.2 MILES TO AN INTERSECTION.
- 5) STAY LEFT AND TRAVEL 3.0 MILES.
- 6) TURN RIGHT AND TRAVEL 0.2 MILES TO AN EXISTING WELL LOCATION.
- 7) TURN RIGHT AND FOLLOW FLAGGED ACCESS FOR 750' WHERE THE WELL IS STAKED.

WELL FLAG LOCATED AT LAT. 36.55986° N, LONG. 107.32589° W (NAD 83).

1

JOB No.: COPC423_REV1
DATE: 04/18/11



Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637